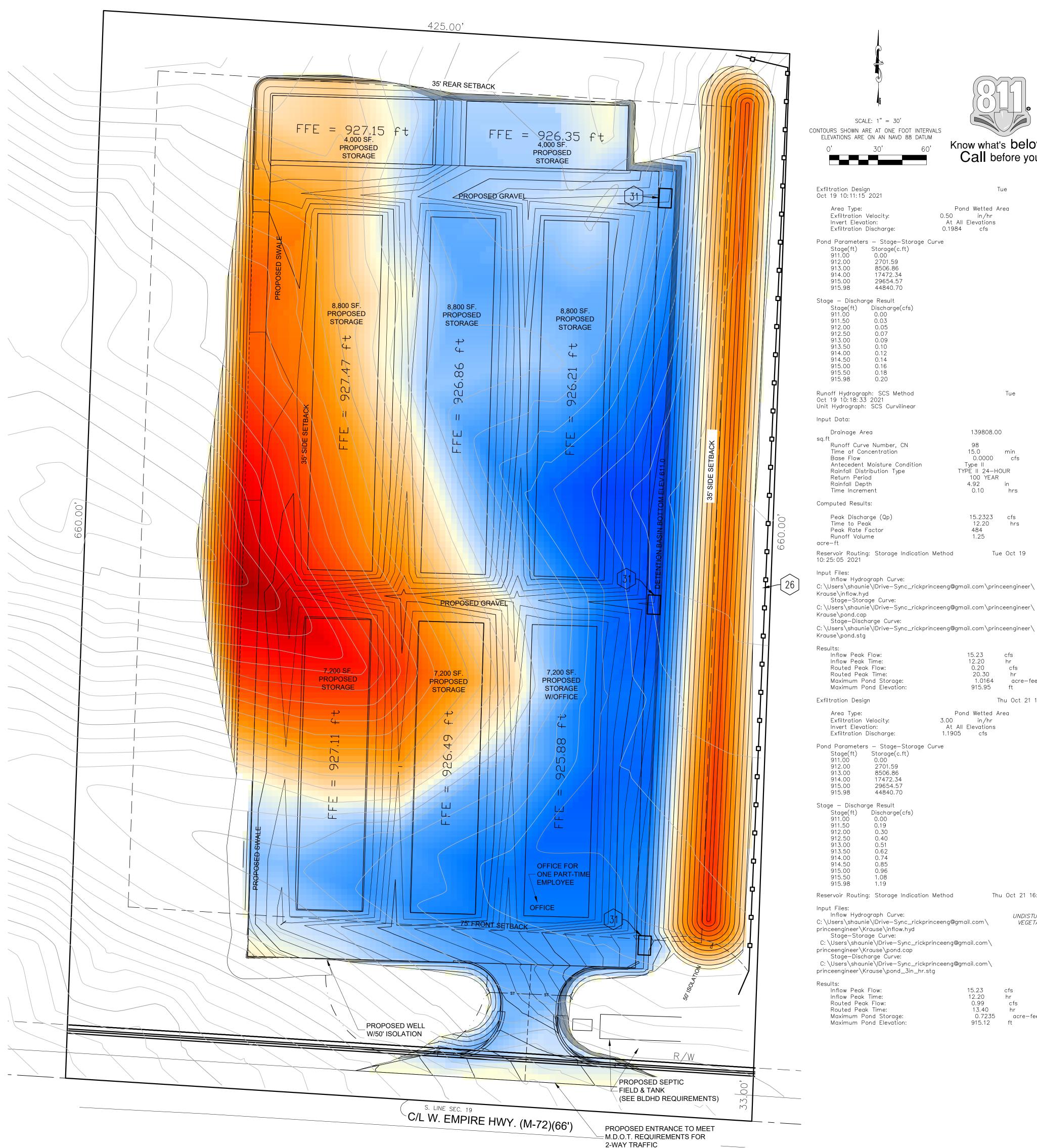
## COLORS INDICATE RELATIVE DEPTH OF CUTS AND FILLS NEEDED TO BALANCE THE SITE -14.0 CUT DEPTH

COLORIMETRIC CUT-FILL LEGEND

14.0 FILL DEPTH

-7.0



## SOIL EROSION AND SEDIMENTATION CONTROL AND MAINTENANCE

SCALE: 1" = 30'

Storage(c.ft)

2701.59

8506.86

17472.34

29654.57

44840.70

Discharge(cfs)

0.05

0.07

0.09

0.12

0.14

0.16

0.18

Know what's below.

Pond Wetted Area

139808.00

min

hrs

Tue Oct 19

cfs

acre-feet

Thu Oct 21 16:44:45 2021

0.0000 cfs

15.0

Type II

TYPE II 24-HOUR

100 YEAR

0.10

12.20

1.25

12.20 0.20 20.30 1.0164

915.95

Pond Wetted Area

15.23 12.20

0.99

13.40

915.12

0.7235

cfs

acre-feet

3.00 in/hr

1.1905 cfs

Storage(c.ft)

8506.86

17472.34

29654.57

44840.70

Discharge(cfs)

0.40

0.62

1.08

1.19

At All Elevations

4.92 in

15.2323 cfs

0.50 in/hr

0.1984 cfs

At All Elevations

1. THIS PROJECT SHALL BE CONSTRUCTED IN COMPLIANCE WITH PART 91 OF 1994 P.A. 451, AS AMENDED, THE SOIL EROSION AND SEDIMENTATION

CONTROL ACT. 2. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE

STANDARDS AND SPECIFICATIONS OF THE COUNTY OFFICE OF THE DRAIN 3. EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF

SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS. STAGING THE WORK SHALL BE DONE BY THE CONTRACTOR OR CONTRACTOR'S REPRESENTATIVE AS DIRECTED IN THESE PLANS AND AS REQUIRED BY THE PROJECT ENGINEER TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH CHANGE. Call before you dig. 5.

THE CONTRACTOR OR CONTRACTOR'S REPRESENTATIVE SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF SOIL EROSION AND SEDIMENTATION CONTROL DEVICES.

6. THE CONTRACTOR OR CONTRACTOR'S REPRESENTATIVE SHALL IMPLEMENT AND MAINTAIN SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS BEFORE AND AT ALL TIMES DURING CONSTRUCTION ON THIS PROJECT. ANY MODIFICATIONS OR ADDITIONS TO SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE COMPLIED WITH AS REQUIRED OR DIRECTED BY THE ENGINEER. 7. IF ANY OF THESE SESC MEASURES ON THE SITE ARE DEEMED

INADEQUATE OR INEFFECTIVE, THE ENGINEER HAS THE RIGHT TO REQUIRE ADDITIONAL SESC MEASURES. 8. INSTALL SILT FENCE AS INDICATED ON PLAN AND AT ADDITIONAL AREAS

AS NECESSARY. A. SILT FENCE SHALL BE INSTALLED PER DETAIL.

B. BUILT-UP SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. C. IF SILT FENCE FABRIC DECÓMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.

D. SILT FENCE SHALL BE INSPECTED WEEKLY UNDER NORMAL CONDITIONS, WITHIN 24 HOURS OF RAINFALL AND DAILY DURING A PROLONGED RAIN EVENT. REQUIRED MAINTENANCE SHALL BE PROVIDED PROMPTLY. 9. ALL STOCKPILED SOILS SHALL BE MAINTAINED IN SUCH A WAY AS TO

PREVENT EROSION FROM LEAVING THE SITE. IF THE STOCKPILE WILL BE ON SITE FOR MORE THAN 30 DAYS, THE STOCKPILE MUST BE SEEDED. SILT FENCE MUST BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE. 10. SPREAD TOPSOIL AND SEED GRADED AREAS WITHIN FIVE DAYS AFTER

FINISH GRADE IS ESTABLISHED. IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDED AREAS WITH UNWEATHERED SMALL GRAIN STRAW. SPREAD UNIFORMLY AT THE RATE OF 1/2 TO 2 TONS PER ACRE OR 100 POUNDS (2-3 BAILS) PER 1000 SQUARE FEET. THIS MULCH SHOULD BE ANCHORED WITH A DISC TYPE MULCH ANCHORING TOOL, ADHESIVE, OR OTHER MEANS AS APPROVED BY THE ENGINEER. 11. IF DEWATERING IS REQUIRED IN THE SCOPE OF WORK, IT SHALL BE

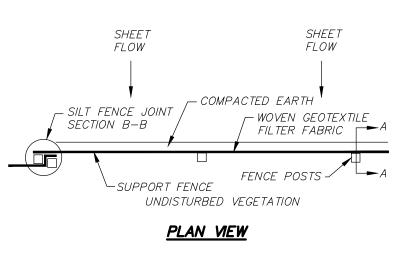
DISCHARGED THROUGH A FILTER BAG OVER A WELL VEGETATED AREA. THE WATER SHALL DISCHARGE AT A NON-EROSIVE VELOCITY. IF NECESSARY, AN APPROVED ENERGY DISSIPATER MAY BE USED. 12. ALL SOIL OR DIRT ON ANY ROAD OR OTHER PAVEMENT SHALL BE

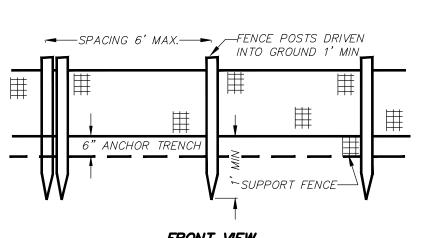
REMOVED IMMEDIATELY. 13. STREETS AND OR PARKING AREAS WILL BE SCRAPED ON A DAILY BASIS AND SWEPT AT A MINIMUM OF ONCE PER WEEK BY THE CONTRACTOR OR CONTRACTOR'S REPRESENTATIVE.

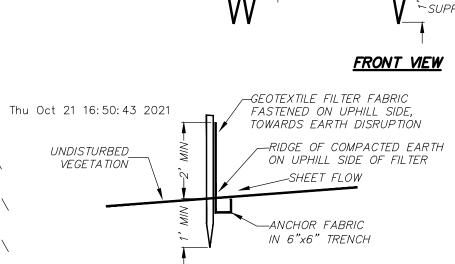
14. DURING DRY PERIODS, ALL DISTURBED AREAS SHALL BE WATERED FOR DUST CONTROL. 15. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN FIVE (5) CALENDAR DAYS AFTER FINAL GRADING OR

FINAL EARTH CHANGE HÀS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER EARTH CHANGE HAS BEEN COMPLETED OR WHERE SIGNIFICANT EARTH CHANGE ACTIVITY CEASES, TEMPORARY SOIL EROSION MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED. ALL PERMANENT SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND ESTABLISHED BEFORE SUBSTANTIAL COMPLETION WILL BE GRANTED.

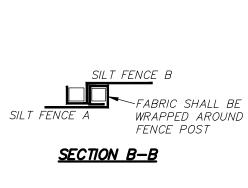
16. GRADE, ESTABLISH VEGETATION AND/OR LANDSCAPE ALL DISTURBED AREAS NOT BUILT OR PAVED UPON. 17. REMOVE ALL TEMPORARY SOIL EROSION DEVICES AFTER PERMANENT







KEY NUMBER REFERS TO MDOT STANDARD PLAN R-96-E



SOIL EROSION & SEDIMENTATION CONTROL QUANTITIES. PROJECT TOTAL		
KEY NO.	ITEMS	QTY
26	EROSION CONTROL, SILT FENCE -0-0-0-0-	600 FT
31	EROSION CONTROL, INLET PROTECTION SEDIMENT TRAP	3 EA

SILT FENCE DETAIL

DRAWN BY: REP CALE: SHOWN ATE: 10/19/2021 OJECT I.D. M2105

RA( RE, IP, L

RAWING: *KRAUSE3* SHEET NUMBER 1 of 1